

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L6	68	(cluster\$5) with (mirror\$5 near9 storage\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/08 15:27
L7	2739	(709/206).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/08 15:28
L8	1012	(711/141).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/08 15:27
L9	1467	(714/6).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/08 15:27
L10	0	6 and 7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/08 15:27
L11	3	6 and 8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/08 15:27
L12	2	6 and 9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/08 15:28
L13	405	(709/216).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/08 15:28

L14	2	6 and 13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/08 15:28
-----	---	----------	---	----	-----	------------------


[Subscribe \(Full Service\)](#) [Register \(Limited Service, Free\)](#) [Login](#)

 Search: ☒ The ACM Digital Library ☐ The Guide

+ "clustering" + "mirroring storage"



THE ACM DIGITAL LIBRARY


[Feedback](#) [Report a problem](#) [Satisfaction survey](#)

 Terms used **clustering mirroring storage**

Found 3 of 156,259

 Sort results by

 Display results
☒ [Save results to a Binder](#)
☒ [Search Tips](#)
☐ [Open results in a new window](#)
[Try an Advanced Search](#)
[Try this search in The ACM Guide](#)

Results 1 - 3 of 3

 Relevance scale ☐ ☐ ☐ ☐ ☐

1 [The HP AutoRAID hierarchical storage system](#)

John Wilkes, Richard Golding, Carl Staelin, Tim Sullivan

 February 1996 **ACM Transactions on Computer Systems (TOCS)**, Volume 14 Issue 1

 Full text available: [pdf \(1.82 MB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Configuring redundant disk arrays is a black art. To configure an array properly, a system administrator must understand the details of both the array and the workload it will support. Incorrect understanding of either, or changes in the workload over time, can lead to poor performance. We present a solution to this problem: a two-level storage hierarchy implemented inside a single disk-array controller. In the upper level of this hierarchy, two copies of active data are stored to provide f ...

Keywords: RAID, disk array, storage hierarchy

2 [The HP AutoRAID hierarchical storage system](#)

J. Wilkes, R. Golding, C. Staelin, T. Sullivan

 December 1995 **ACM SIGOPS Operating Systems Review , Proceedings of the fifteenth ACM symposium on Operating systems principles**, Volume 29 Issue 5

 Full text available: [pdf \(1.60 MB\)](#)

 Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

3 [Improving the performance of log-structured file systems with adaptive methods](#)

Jeanna Neeffe Matthews, Drew Roselli, Adam M. Costello, Randolph Y. Wang, Thomas E. Anderson

 October 1997 **ACM SIGOPS Operating Systems Review , Proceedings of the sixteenth ACM symposium on Operating systems principles**, Volume 31 Issue 5

 Full text available: [pdf \(2.18 MB\)](#)

 Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Results 1 - 3 of 3

The ACM Portal is published by the Association for Computing Machinery. Copyright ?2005 ACM, Inc.

[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)

 Useful downloads: [Adobe Acrobat](#) [QuickTime](#) [Windows Media Player](#) [Real Player](#)



Welcome United States Patent and Trademark Office

Search Results

[BROWSE](#)[SEARCH](#)[IEEE XPLORE GUIDE](#)[SUPPORT](#)

Results for "(cluster*<in>metadata) <and> (mirror*<in>metadata) <and> (storage*<..."

Your search matched 9 of 1168854 documents.

A maximum of 100 results are displayed, 25 to a page, sorted by Relevance in Descending order.

e-mail
 printer

» [View Session History](#)» [New Search](#)

Modify Search

» Key

(cluster*<in>metadata) <and> (mirror*<in>metadata) <and> (storage*<in>metadata) >>

IEEE JNL IEEE Journal or Magazine

☐ Check to search only within this results set

IEEE JNL IEEE Journal or Magazine

Display Format: ☒ Citation ☐ Citation & Abstract

IEEE CNF IEEE Conference Proceeding

Select Article Information

IEEE CNF IEEE Conference Proceeding

**1. Analytic modeling and comparisons of striping strategies for replicated disk arrays**Merchant, A.; Yu, P.S.;
Computers, IEEE Transactions on
Volume 44, Issue 3, March 1995 Page(s):419 - 433[AbstractPlus](#) | [References](#) | [Full Text: PDF\(1320 KB\)](#) IEEE JNL

IEEE STD IEEE Standard

**2. The distributed data center: front-end solutions**Testa, S.; Chou, W.;
IT Professional
Volume 6, Issue 3, May-June 2004 Page(s):26 - 32[AbstractPlus](#) | [Full Text: PDF\(584 KB\)](#) IEEE JNL**3. Design of a dual-computer cluster system and availability evaluation**Guo Hui; Zhou Jingli; Li Yue; Yu Shengsheng;
Networking, Sensing and Control, 2004 IEEE International Conference on
Volume 1, 21-23 March 2004 Page(s):355 - 360 Vol.1[AbstractPlus](#) | [Full Text: PDF\(1525 KB\)](#) IEEE CNF**4. Logical vs. physical disk shadowing**Graefe, G.; Shapiro, L.D.;
Applied Computing, 1991., [Proceedings of the 1991] Symposium on
3-5 April 1991 Page(s):91[AbstractPlus](#) | [Full Text: PDF\(96 KB\)](#) IEEE CNF**5. High availability in clustered multimedia servers**Tewari, R.; Dias, D.M.; Mukherjee, R.; Vin, H.M.;
Data Engineering, 1996. Proceedings of the Twelfth International Conference on
26 Feb.-1 March 1996 Page(s):645 - 654[AbstractPlus](#) | [Full Text: PDF\(964 KB\)](#) IEEE CNF**6. Disaster tolerant Wolfpack geo-clusters**Wilkins, R.S.; Xing Du; Cochran, R.A.; Popp, M.;
Cluster Computing, 2002. Proceedings. 2002 IEEE International Conference on
23-26 Sept. 2002 Page(s):222 - 227[AbstractPlus](#) | [Full Text: PDF\(311 KB\)](#) IEEE CNF**7. CoStore: a reliable and highly available storage system using clusters**Yong Chen; Ni, L.M.; Chengzhong Xu; Mingyao Yang; Kusler, J.F.; Pei Zheng;
High Performance Computing Systems and Applications, 2002. Proceedings. 16th Annual International Symposium on
16-19 June 2002 Page(s):3 - 11

[AbstractPlus](#) | Full Text: [PDF](#)(345 KB) IEEE CNF

☐ 8. **Improved read performance in a cost-effective, fault-tolerant parallel virtual file system (CEFT-PVFS)**

Yifeng Zhu; Hong Jiang; Xiao Qin; Feng, D.; Swanson, D.R.;
Cluster Computing and the Grid, 2003. Proceedings. CCGrid 2003. 3rd IEEE/ACM International Symposium on
12-15 May 2003 Page(s):730 - 735

[AbstractPlus](#) | Full Text: [PDF](#)(331 KB) IEEE CNF

☐ 9. **Shared memory mirroring for reducing communication overhead on commodity networks**

Palmer, B.; Nieplocha, J.; Apra, E.;
Cluster Computing, 2003. Proceedings. 2003 IEEE International Conference on
1-4 Dec. 2003 Page(s):420 - 428

[AbstractPlus](#) | Full Text: [PDF](#)(287 KB) IEEE CNF



indexed by
InspeC

[Help](#) [Contact Us](#) [Privacy & Security](#) IEEE.

© Copyright 2005 IEEE -- All Rights Reserved



Welcome United States Patent and Trademark Office

Search Results

[BROWSE](#)[SEARCH](#)[IEEE XPLORE GUIDE](#)[SUPPORT](#)

Results for "((cluster*<in>metadata) <and> (mirror*<in>metadata) <and> (storage*<in>metad

Your search matched 3 of 1168854 documents.

A maximum of 100 results are displayed, 25 to a page, sorted by Relevance in Descending order.

e-mail
 printer

» [View Session History](#)» [New Search](#)

Modify Search

» **Key**

((cluster*<in>metadata) <and> (mirror*<in>metadata) <and> (storage*<in>metad

IEEE JNL IEEE Journal or Magazine

☐ Check to search only within this results set

IEEE JNL IEEE Journal or Magazine

Display Format: ☒ Citation ☐ Citation & Abstract

IEEE CNF IEEE Conference Proceeding

Select Article Information

IEEE CNF IEEE Conference Proceeding

**1. Analytic modeling and comparisons of striping strategies for replicated disk arrays**Merchant, A.; Yu, P.S.;
Computers, IEEE Transactions on
Volume 44, Issue 3, March 1995 Page(s):419 - 433[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(1320 KB) IEEE JNL**2. Logical vs. physical disk shadowing**Graefe, G.; Shapiro, L.D.;
Applied Computing, 1991., [Proceedings of the 1991] Symposium on
3-5 April 1991 Page(s):91[AbstractPlus](#) | Full Text: [PDF](#)(96 KB) IEEE CNF**3. High availability in clustered multimedia servers**Tewari, R.; Dias, D.M.; Mukherjee, R.; Vin, H.M.;
Data Engineering, 1996. Proceedings of the Twelfth International Conference on
26 Feb.-1 March 1996 Page(s):645 - 654[AbstractPlus](#) | Full Text: [PDF](#)(964 KB) IEEE CNF
 Indexed by
[Help](#) [Contact Us](#) [Privacy & Security](#) IEEE.

© Copyright 2005 IEEE -- All Rights Reserved



Web Images Groups News Froogle Local more »

Search

[Advanced Search](#)
[Preferences](#)

Web

Results 1 - 10 of about 95 for "**clustering system**" "**mirror**" "**storage**. (0.08 seconds)Sun pushes to innovate and disrupt IBM - TechUpdate - ZDNet... \$1.50 for enhanced management or by \$2 for **mirror-image storage** capabilities.... Either partners or Sun can host the **storage** utility, or customers can ...

techupdate.zdnet.com/techupdate/stories/

main/Sun_pushes_to_innovate_and_disrupt_IBM.html - 40k - [Cached](#) - [Similar pages](#)Sun pushes to innovate and disrupt IBM By Dan Farber, Tech Update ...A new **storage** solution foray into subscription pricing offers customers a ...\$1.50 for enhanced management or by \$2 for **mirror-image storage** capabilities.

...

techupdate.zdnet.com/techupdate/stories/

main/Sun_pushes_to_innovate_and_disrupt_IBM_print.html - 10k -

[Cached](#) - [Similar pages](#)Untitled DocumentBoth servers connect to a shared ProLiant **storage** system via Smart-2 ArrayControllers; ... Vinca Corp. upgraded its server-**clustering system** to include ...www.highavailabilitycenter.com/v_product_info.html - 54k - [Cached](#) - [Similar pages](#)news- Friday February 25, 2000 in the SPARC Product DirectoryModel 1003 includes a Linux device driver, **Mirror API** library, ... One **clustering****system** (the target) monitors the hardware and application, ...www.sparcproductdirectory.com/2000-02-25.html - 22k - [Cached](#) - [Similar pages](#)Linux clustering cornucopiaThat secondary node is usually a **mirror** image of the primary node, ... Although the**clustering system** itself is independent of what software or hardware is ...www-128.ibm.com/developerworks/linux/library/l-lw-clustering.html - 49k - [Cached](#) - [Similar pages](#)InfiniBand Pole Positions For EnterpriseThe principles of InfiniBand **mirror** those of mainframe computer systems that are... TCAs enable remote **storage** and network connectivity into the InfiniBand ...www.internetnews.com/ent-news/article.php/1587961 - 75k - [Cached](#) - [Similar pages](#)InternetAcceleration - News11/26/02 - **Mirror Image** Teams with Wide Computing to Leverage Innovative ...11/5/02 - Brocade to Acquire Rhapsody Networks **Storage** Networking Leader to ...www.internetacceleration.com/news_archive/news-nov02.htm - 132k - [Cached](#) - [Similar pages](#)November 3, 1998 - Vinca Corporation and Giganet, Inc. Announce is now the IP **Storage** Networking Group of ... for Windows NT is a server-**clustering system**that assures ... Vinca's Co-StandbyServer products to **mirror** between servers ...www.giganet.com/press/1998/g1103-01.html - 8k - Supplemental Result - [Cached](#) - [Similar pages](#)Performance Disaster - White Papers, Webcasts, Case Studies and had been utilizing a major iSeries high availability solution to **mirror** its front ...iSCSI: The Future of Network **Storage** by Intel Corporation, (VENDOR WHITE PAPER) ...

disasterrecovery.knowledgestorm.com/ksrecovery/search/tabkeyword/research/Performance+Disaster/1/index.jsp - 101k -

Supplemental Result - [Cached](#) - [Similar pages](#)[PDF] HITE APERFile Format: PDF/Adobe Acrobat - [View as HTML](#)

Sponsored Links

Clustering Data Storage

Configuration Examples

Supports 4 servers/ 8 hosts

<http://storcase.com/tools/cluster.a>Storage Mirror

Storage Mirror & More!

200,000 Stores. Deals. Reviews.

Yahoo.com

Mirror Storage

Bargain Prices.

Smart Deals.

Shopzilla.com

Storage MirrorNew & used **Storage Mirror**. aff

Check out the deals now!

www.ebay.com


[Web](#) [Images](#) [Groups](#) [News](#) [Froogle](#) [Local](#) [more »](#)

"clustering system" "mirror" "cache"

[Search](#)
[Advanced Search](#)
[Preferences](#)
WebResults 1 - 10 of about 63 for "**clustering system**" "**mirror**" "**cache**". (0.27 seconds)Untitled Document

The machines have Level 3 **cache** that stores memory requests and minimizes ...
 Vinca Corp. upgraded its server-**clustering system** to include applications for ...
www.highavailabilitycenter.com/v_product_info.html - 54k - [Cached](#) - [Similar pages](#)

IRC log of musicbrainz on 2004-06-23

21:01:29 [tma]: could the **mirror** server be coded to check for updates more ...
 we can grow MB though mirrors that would not require a PG **clustering system**. ...
chatlogs.musicbrainz.org/2004/2004-06/2004-06-23.html - 28k - [Cached](#) - [Similar pages](#)

00:15:52 <Knio2> Knio2 has joined #musicbrainz 00:15:56 <Knio ...

21:01:29 <tma> could the **mirror** server be coded to check for updates more ...
 we can grow MB though mirrors that would not require a PG **clustering system**. ...
chatlogs.musicbrainz.org/2004/2004-06/2004-06-23.txt - 18k - [Cached](#) - [Similar pages](#)

openMosix Community Contributions

Dmitry Katsubo - Official openMosix RU **Mirror**. Dmitry Katsubo - Using openMosix
Clustering System for Building a Distributed Computing Environment ...
openmosix.sourceforge.net/community.html - 80k - [Cached](#) - [Similar pages](#)

Sun pushes to innovate and disrupt IBM - TechUpdate - ZDNet

... for enhanced management or by \$2 for **mirror**-image storage capabilities. ...
 messaging and calendaring servers, and Sun's **clustering system**) is hard to ...
techupdate.zdnet.com/techupdate/stories/main/Sun_pushes_to_innovate_and_disrupt_IBM.html - 40k -
[Cached](#) - [Similar pages](#)

EP1061711 Idgate european software patent - Computer network and ...

Show Raw Text, Show Print View, Delete **Cache**, ———, Attachments, Check Spelling,
 Show Like Pages, Show Local Site Map, ———, Rename Page ...
gauss.ffii.org/PatentView/EP1061711 - 53k - [Cached](#) - [Similar pages](#)

Quick and Dirty FreeBSD-related WEB Resources

Download FreeBSD from one of these **mirror** sites. www.freebsd.org/ports ...
 This is the Beowulf project, the standard Linux **clustering system**. ...
63.249.85.132/fbsd_links.htm - 66k - [Cached](#) - [Similar pages](#)

[doc] Executive summary

File Format: Microsoft Word 2000 - [View as HTML](#)
 In the event of a failure, the **mirror** will automatically activate, allowing the
 ... A DNS Resolver **Cache** service also has been added to speed DNS queries. ...
www.microsoft.com/windows2000/docs/oscomps4.doc - [Similar pages](#)

Quick and Dirty FreeBSD-related WEB Resources

This is the Beowulf project, the standard Linux **clustering system**.
www.beowulf-underground.org ... <http://minnie.cs.adfa.oz.au/TUHS/Mirror/Hauben/unix.html>
 ...
alumni.cse.ucsc.edu/~brucem/fbsd_links.htm - 67k - [Cached](#) - [Similar pages](#)

LWN - Software Announcements By License

... A load-balancing and server **clustering system** for Linux. ... A PHP-based **mirror**
 system with daily limits on **mirror** bandwidth. ...
lwn.net/2002/0131/bylicense.php3 - 161k - [Cached](#) - [Similar pages](#)